

**APPLICATION FOR PERMIT TO CONSTRUCT AND OPERATE
A MUNICIPAL SOLID WASTE DISPOSAL SITE
IN THE STATE OF NEVADA**

Instructions: Complete Sections I & II, attach the supporting information described in Section III, and sign Section IV.

Section I. Applicant Information

1. Land Owner

Name: _____

Address: _____

City: _____ State: ____ Zip Code: _____

Phone: () _____

2. Operator

Name: _____

Address: _____

City: _____ State: ____ Zip Code: _____

Phone: () _____

3. Authorized Agent

Name: _____

Address: _____

City: _____ State: ____ Zip Code: _____

Phone: () _____

Section II. Facility Information

1. Location

Name: _____

County: _____ Town/Range/Sect: _____

Address: _____

City: _____ Zip Code: _____

Phone: () _____

2. Class of Facility

- ☐ Class I. A disposal site that is comprised of municipal solid waste landfill units and is not a Class II site.
- ☐ Class II. A municipal solid waste landfill unit which accepts less than 20 tons per day on an annual average of solid waste, has no evidence of ground water contamination originating from the site and serves a community that has no practicable waste management alternative and the landfill unit is located in an area that annually receives less than or equal to 25 inches of precipitation.

3. Sectors to be Served by the Facility

- ☐ Residential
- ☐ Commercial
- ☐ Industrial

4. Special Wastes to be Managed by the Facility

The special wastes listed below require a management plan specific to each. Contact the Solid Waste Branch at 687-4670 for more information.

- ☐ Medical/Infectious Waste
- ☐ Bulk Liquid Wastes (Waste water treatment plant sludge, septage, grease trap waste).
- ☐ Petroleum Contaminated Soil
- ☐ Tires

Section III. Supporting Information

Class I Sites

All information required by NAC 444.677, (listed below), must be submitted as supporting information to this application.

1. Proof of ownership of the land on which the site is/or will be located
2. Design Report
3. Water Monitoring Plan
4. Operating Plan
5. Closure Plan
6. Postclosure Maintenance Plan
7. Financial Assurance Documentation

Class II Sites

All information required by NAC 444.705, (listed below), must be submitted as supporting information to this application.

1. Proof of ownership of the land on which the site is/or will be located
2. Design Report
3. Operating Plan
4. Closure Plan
5. Postclosure Maintenance Plan
6. Financial Assurance Documentation
7. Water Monitoring Plan

Report Contents

Content requirements of the reports and plans are specified below:

Design Report

1. A general location map showing land use and zoning within 1 mile of the disposal site.
2. Plans and specifications of the facility that show compliance with design standards.
 - a. At a scale of not more than 200'/inch, contour intervals no greater than 5'.
 - b. Show site topography before development.
 - c. Show the proposed limits of excavation and fill areas including the final elevations and grades of each unit on the site including the final cover system, and the location and placement of each liner system and each leachate collection and removal system showing all critical grades and elevations of the collection pip inverts and drainage envelopes, manholes, cleanouts, calves, sumps, and drainage blanket thicknesses.
 - d. Show the proposed soil borrow areas.
 - e. Show the sequence of facility development including the outline of fill areas, sequence of filling operations, and access road locations.
 - f. Show access roads including dimensions, slopes, profiles, and pavement types
 - g. Show a typical cross section of the landfill.
 - h. Show grades, berms, dikes, ditches, swales, and other devices for proper drainage and control of surface water, run-on and runoff.
 - i. Show landfill gas monitoring and control devices.
 - j. Show fencing, equipment shelter, employee facilities, and other site development features.
3. Define the population and area to be served by the site.
4. Define the anticipated types, quantities, and sources of solid wastes to be disposed of.
5. Define the source, type, and quantity of cover material.
6. Include proof of compliance with the requirements relating to the control of surface water set forth in NAC 444.6885.
7. Show compliance with the following design standards set forth in NAC 444.681. The report should contain:
 - a. Appropriate charts and graphs.
 - b. Soil boring and test pit logs, and geologic information.

- c. Engineering calculations.
 - d. Other supporting data, including literature citations.
8. The signature of a professional engineer registered in Nevada.

Water Monitoring Plan

The water monitoring plan must provide a complete description of a system capable of monitoring the performance of the design of the site, including monitoring of groundwater to detect the release of pollutants or contaminants from the landfill unit to the waters of the state.

1. The plan must show compliance with NAC 444.7481 through 444.7492 inclusive, and must:
 - a. Identify the location and construction of monitoring points.
 - b. Specify monitoring parameters and the frequency of monitoring those parameters.
 - c. Specify procedures for quality assurance for all field and laboratory work.
 - d. Provide for the semiannual submittal of monitoring data to the Solid Waste Management Authority.
 - e. Establish procedures which must be used if monitoring provides evidence of leachate migration.
2. The Solid Waste Management Authority may suspend groundwater monitoring requirements if the owner or operator demonstrates that there is no potential for migration of pollutants or contaminants from the landfill unit to waters of the state during the active life of the unit and during the postclosure period. This demonstration must:
 - a. Be certified by a qualified groundwater scientist.
 - b. Be approved by the Solid Waste Management Authority.
 - c. Be based on:
 - (1) Site-specific field collected measurements, sampling, and analysis of physical, chemical, and biological processes affecting contaminant fate and transport.
 - (2) Contaminant fate and transport predictions that consider the maximum rate of contaminant migration and impacts on human health and the environment.

Operating Plan

1. Include a description of the equipment and positions necessary to operate the site.
2. Provide for adequate fire control methods.
3. Provide for the prevention of scattering of papers and other lightweight debris by portable litter fences or other suitable devices.
4. Provide for the disposal of any special wastes specifically permitted by the Solid Waste Management Authority in the sites's permit.
5. Demonstrate how the site will comply with the requirements in NAC 444.686 to 444.7025 inclusive, and NAC 444.6665 to 444.6675 inclusive.
6. Include the steps to be taken in the event of unforeseen circumstances that may occur at the facility. The steps shall provide for an organized, planned and coordinated, technically and financially feasible course of action to be taken, and must address:
 - a. A fire at the facility.
 - b. Personnel and user safety (incl. first aid training and emergency medical services).

- c. Facility shutdown due to natural events.
- d. Equipment breakdown.
- e. Release of hazardous or toxic materials.
- f. Presence of leachate in collection structures and storage tanks or surface impoundment leaks or spills.

Closure Plan

1. A description of the steps necessary to close all municipal solid waste landfill units at any point during their active life.
2. A description of the final cover consistent with the requirements of NAC 444.6891.
3. An estimate of the largest area of the municipal solid waste landfill unit that would require final cover at any time during the active life of the landfill should the site be closed.
4. An estimate of the maximum inventory of wastes ever onsite over the active life of the landfill facility.
5. Identification of equipment and structure removal, decommissioning, and decontamination.
6. Placement and installation of water, vadose zone, and landfill gas monitoring devices, and landfill gas control devices, as needed.
7. A schedule for completing all closure construction activities necessary to satisfy closure requirements.

Postclosure Maintenance Plan

A postclosure maintenance plan specifies how the municipal solid waste landfill unit will be maintained and monitored and at what frequency during the postclosure maintenance period in accordance with NAC 444.6896. It must include:

1. A water monitoring program consistent with the requirements of NAC 444.7481 to 444.7492 inclusive.
2. An inspection and maintenance program for the final cover, drainage and flood protection structures, and landfill gas monitoring and control system.
3. Name, address, and telephone number of the person or office to contact about the facility during the postclosure period.
4. A description of the planned uses of the property during the postclosure period.

Financial Assurance

The mechanisms used to demonstrate financial assurance must ensure that the funds necessary to meet the costs of closure, postclosure care, and corrective action for known releases will be available whenever they are needed. The options for demonstrating financial assurance are listed in NAC 444.68525.

Section IV. Certification

1. I certify that I am familiar with the information contained in the application and I believe that the information provided in this application is complete and accurate.

Printed Name of Owner

Title or Authority of Signator

Legal Signature

Date of Signing

2. Send the completed application and supporting information to:

Nevada Division of Environmental Protection
Bureau of Waste Management/Solid Waste Branch
333 W. Nye, Capitol Complex
Carson City, NV 89706